

BEAM POWER TUBEFor high-fidelity audio-amplifier applications

| GENERAL DATA |
|---|
| Electrical: |
| Heater, for Unipotential Cathode: Voltage 6.3 ac or dc volts Current 0.9 amp Direct Interelectrode Capacitances: Grid No.1 to plate 1.5 μμf |
| Grid No.1 to cathode & grid No.3, grid No.2, and heater 10 μμf Plate to cathode & grid No.3, |
| grid No.2, and heater 7.5 $\mu\mu$ f |
| Characteristics, Class A ₁ Amplifier: |
| Plate Voltage 250 volts Grid-No.2 (Screen-Grid) Voltage 250 volts Grid-No.1 (Control-Grid) Voltage -14 volts Plate Resistance (Approx.) 22500 ohms Transconductance 6000 μmhos Plate Current 72 ma Grid-No.2 Current 5 ma |
| Mechanical: |
| Operating Position |
| Pin 3 - Plate Pin 4 - Grid No.2 Pin 5 - Grid No.1 Pin 8 - Cathode, Grid No.3 |
| PUSH-PULL AF POWER AMPLIFIER Class AB |
| Maximum Ratings, Design-Center Values: PLATE VOLTAGE |
| O: See next page. |



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| PEAK HEATER-CATHODE VOLTAGE: Heater negative with respect to Heater positive with respect to | | | 00 max. 200≜ max. | volts volts |
| Typical Operation with Fixed Bias | : | | | |
| Values are for | 2 tubes | s | | ^ |
| Plate Voltage | 330 330 | 400 300 | 450 350 | volts volts |
| Voltage Peak AF Grid-No.1 | -24 | - 25 | -3 0 | volts |
| Voltage | 48 122 184 5.6 18.5 | 50 102 152 6 17 | 60 95 194 3.4 19.2 | volts ma ma ma ma |
| (Plate to plate) Total Harmonic Distortion MaxSignal Power Output | 4500 1 31.5 | 6600 2 34 | 6000 1.5 50 | ohms % watts |
| Typical Operation with Cathode Bi | as: | | | |
| Values are for | r 2 tube: | s | | |
| Plate-Supply Voltage Grid-No.2 Supply Voltage Cathode Resistor Peak AF Grid-No.1 | 400 300 200 |) | 380 380 180 | volts volts ohms |
| Voltage | 57 112 128 7 16 | ? } ? | 68.5 138 170 5.6 20 | volts ma ma ma ma |
| (Plate to plate) Total Harmonic Distortion MaxSignal Power Output | 6600 2 32 |) | 4500 3.5 <i>3</i> 6 | ohms % watts |
| Maximum Circuit Values: | | | | |
| Grid-No.1-Circuit Resistance: For fixed-bias operation For cathode-bias operation | | | 0.1 max. 0.5 max. | megohm megohm |
| PUSH-PULL AF POWER AMPL | IFIER - | - Clas | S ABı | |
| Grid No.2 of each tube of plate winding of out | connecte | d to | tap on | |
| Maximum Ratings, Design-Center Va | | | | |
| PLATE AND GRID-No.2 (SCREEN-GRID) SUPPLY VOLTAGE | | | 450 max. | volts |
| O, A, •: See next page. | | | | |
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